

## Multi-Powered Emergency Radio + Hazard Alerts Model:WR202

### USER MANUAL

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#### INTRODUCTION

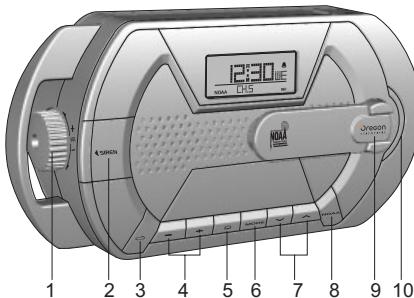
The Multi-powered emergency radio keeps you alert of changing weather conditions and also entertained. Plug in and listen to your personal music collection, your favorite radio station or up-to-date weather warnings.

With clock and alarm, keep track of time and wake up bright and ready for a new day of exploring and enjoying the natural surroundings. With the addition of an emergency siren, flashlight and ability to charge your mobile phone, this Multi-Powered Emergency Radio is a must-have item for your outdoor adventures.

Keep this manual handy as you use your new product. It contains practical step-by-step instructions as well as technical specifications and warnings you should know about.

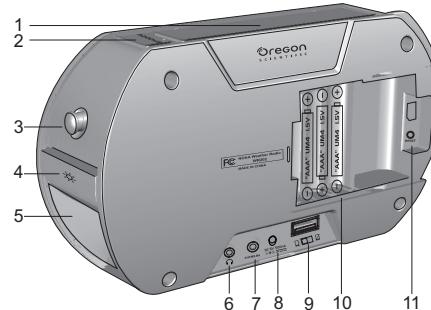
#### OVERVIEW

##### FRONT VIEW



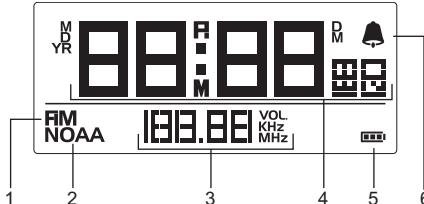
1. **VOL** knob: adjust volume (0-7)
2. **◀ SIREN**: turn emergency alarm on/off
3. **□**: turn radio on/off and toggle between AM/FM
4. **— / +**: auto search / adjust radio frequency
5. **铃**: activate / deactivate alarm function; set alarm
6. **MODE**: toggle between different clock / calendar displays; set clock; confirm clock setting
7. **▼/▲**: increase / decrease value of the setting
8. **NOAA**: turn NOAA weather radio on / off
9. Crank: wind to charge battery or mobile phone
10. LED indicator: continuous red light to indicate unit / mobile phone is charging; flashing red light to indicate rechargeable battery is low; green light to indicate radio is on

##### BACK VIEW



1. Solar panel
2. **SNOOZE**: activate snooze alarm / backlight
3. Antenna
4. **Flashlight**: turn flashlight on/off
5. Light
6. Headphone jack
7. Audio line-in jack
8. DC adapter jack
9. Mobile phone charger jack and charger switch
10. Battery compartment
11. **RESET**: return unit to default settings

#### LCD DISPLAY



1. **FM**: radio is on and AM/FM is selected
2. **NOAA**: NOAA weather radio is on
3. Radio frequency / volume
4. Clock / calendar
5. **■**: back-up battery level indicator
6. **铃**: alarm clock is enabled

#### POWER SOURCE

##### BACK-UP POWER

In cases where rechargeable battery power is low or has no power, the unit will source its energy from the back-up batteries.

##### Insert 3 AAA batteries:

1. Slide open battery compartment.
2. Insert the batteries matching the polarities.

**□** indicates there is no back-up battery or back-up battery is low.

It is recommended to insert back-up batteries in case of power shortage during emergencies.

##### RECHARGEABLE BATTERY

This radio has a built-in rechargeable battery that can store energy from different sources: a solar panel, a manual hand crank or electricity via an adapter (not included in package).

When rechargeable battery level is low, red LED indicator light will flash.

1. Remove battery compartment cover.
2. Insert battery pack.
3. Align holes in the connector with the pins, then push connector in.



4. Tuck wires in and ensure they are within the battery compartment area.
5. Close battery compartment cover.

#### RECHARGING

##### SOLAR POWER

Expose the solar panel directly to sunlight.

##### TIPS

- For best results when charging the battery, place the solar panel directly with view to sunlight.
- Direct solar panel as follows:

Solar panel facing:	if you reside in the:
North	Southern Hemisphere
South	Northern Hemisphere

- It takes approximately 30 hours to fully charge the battery by solar power (under strong light conditions).
- Do not scratch the solar panel's surface or wipe it with strong detergent.
- Do not expose the solar panel to rain, snow or moisture.
- The duration of the rechargeable battery's charging or operating time is determined by either the intensity of sunlight or the position of the solar panel towards the sun.
- Do not overcharge the batteries.

**NOTE** Solar panel cannot be used to charge mobile phone.

#### CRANK

Mobile phones can only be charged by cranking or by adapter (separate purchase required).

##### To charge unit:

1. Slide charger switch to **□**.
2. Lift crank and wind clockwise.

##### To charge mobile phone:

1. Using USB cable (not included) connect one end to the mobile phone and the other end to mobile phone charger jack.
2. Slide charger switch to select **■**.
3. Lift crank and wind clockwise.

**NOTE** 1 minute of winding can power the radio for approx. 5 minutes. It would take approximately 85 minutes of continuous winding (2 turns per second) to fully charge the battery.

#### ELECTRICITY FROM ADAPTER

To use this feature, purchase a 5V adapter.

1. Lift the soft plastic cover located on the back of the unit.
2. Plug adapter into the unit and the other end to wall outlet.
3. Slide charger switch accordingly.

**□** charge mobile

**■** charge unit

**NOTE** It takes 7 hours to fully charge the battery by using an adapter, which is not included.

#### CLOCK AND CALENDAR

##### To set the clock:

1. Press and hold **MODE** to enter clock settings.
2. Press **▼/▲** to change the settings. Hold to speed through the settings.
3. Press **MODE** to confirm and move to next setting.

The settings order is: hour format, hour, minute, year, calendar format (M-D / D-M), month, day and language (E, F, S).

To quick exit, press any button except **MODE**, **▼/▲** or **SNOOZE**.

**To change display:** press **MODE**.

#### ALARM

1. Press and hold **铃** to enter alarm setting.
2. Press **▼/▲** to change hour. Press **铃** to confirm. Continue with setting minute the same way.

**To display alarm time and activate / deactivate alarm:** Press .

 means alarm is ON.

--- means alarm is disabled.

**To silence the alarm:**

• Press **SNOOZE** to silence it for 8 minutes

**OR**

• Press any key to turn the alarm off and activate it again after 24 hours.

## MUSIC FROM EXTERNAL AUDIO DEVICE

**NOTE** NOAA weather radio has to be first turned off.

Using a cable (not provided), plug one end to your music storage device and one end to audio line-in socket located at the back of the unit.

## AM/FM

**To turn radio on / off:**

Press .

Green light indicates radio is on.

**To select frequency:**

1. Press  again to select AM or FM.
2. Press and hold  /  to auto search or press  /  to manually select frequency.

**To change volume:** Turn **VOL** knob.

**NOTE** When charging, even if radio is on, indicator will be red.

**NOTE** To listen to the radio, ensure line-in cable is not connected.

## NOAA WEATHER RADIO

### FINDING LOCAL CHANNELS

National Weather Service uses one of 7 preset radio frequencies for their NOAA Weather Radio transmitters across the country. Please refer to the below phone number and website link to find the right channel for your local county:

**To contact the NWS by telephone:**

1. Phone 1-888-NWR-SAME (1-888-697-7263).
2. Follow prompts through a simple voice menu.

**To obtain NWS radio channels on the internet:**

1. Locate [www.nws.noaa.gov/nwr/indexnw.htm](http://www.nws.noaa.gov/nwr/indexnw.htm)
2. Click the State for which information is needed.

For example, clicking on "Montana" will give a list of information relevant to the State of Montana including the names of counties, NWR transmitter locations, the frequency of the transmitter, the strength of the signal in WATTS, and any remarks as applicable.

Example of the first 10 county radio channels:

COUNTY	NWR TRANS	FREQ MHZ	CALL	CHOOSE RADIO CHANNEL
Beaverhead	Butte, MT	162.550	WXL79	7
Beaverhead	Dillon, MT	162.475	WNG638	4
Big Horn	Billings, MT	162.550	WXL27	7
Blaine	Havre, MT	162.400	WXL53	1
Blaine	Billings MT	162.475	WWG85	4
Broadwater	Helena, MT	162.400	WXX66	1
Carbon	Billings MT	162.550	WXL27	7
Carter	Baker, MT	162.550	WXX57	7
Cascade	Great Falls, MT	162.550	WXJ43	7
Chouteau	Miles Hill, MT	162.500	WWG84	5

After identifying the frequency of your local NOAA Weather Radio transmitter, refer to below table to find the corresponding channel (1-7).

1. Press **NOAA** to turn NOAA weather radio on.
2. Press  /  to select channel 1-7.

Examples of which radio to choose for a particular location is given in the far right column in above chart.

CHANNEL	CORRESPONDING RADIO FREQUENCY
1	162.400 MHz
2	162.425 MHz
3	162.450 MHz
4	162.475 MHz
5	162.500 MHz
6	162.525 MHz
7	162.550 MHz

**NOTE** Features and accessories will not be available in all countries. For more information, please contact your local retailer.

## ABOUT OREGON SCIENTIFIC

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## FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

**WARNING** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

## DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please visit our website at <http://us.oregonscientific.com/service/> for all enquiries.

### We

Name: Oregon Scientific, Inc.  
Address: 19861 SW 95<sup>th</sup> Ave., Tualatin, Oregon 97062 USA  
Telephone No.: 1-800-853-8883

### declare that the product

Product No.: WR202  
Product Name: Multi-Powered Emergency Radio + Hazard Alerts  
Manufacturer: IDT Technology Limited  
Address: Block C, 9/F, Kaiser Estate, Phase 1, 41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.

**NOTE** The technical specifications for this product and the contents of the user manual are subject to change without notice.